



DIST	COUNTY	ROUTE	KILOMETER TOTAL	POST PROJECT	SHEET NO.	TOTAL SHEETS

*Annex D. Quist*  
REGISTERED LANDSCAPE ARCHITECT

July 1, 1999  
PLANS APPROVAL DATE

*The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.*

**A**

AB aggregate base  
ABS acrylonitrile-butadiene-styrene  
AC asphalt concrete  
ADJ adjacent/adjustable  
AIC auxiliary irrigation controller  
Alt alternative  
AMEND amendment  
ARV air release valve  
AUTO automatic  
AUX auxiliary  
AVB atmospheric vacuum breaker

**B**

B&B balled and burlapped  
B/B brass/bronze  
B/B/PL brass/bronze/plastic  
B/PL brass/plastic  
Bit Ctd bituminous coated  
BP booster pump  
BPA backflow preventer assembly  
BPAE backflow preventer assembly in enclosure  
BPE backflow preventer enclosure  
BV ball valve

**C**

CAP corrugated aluminum pipe  
CARV combination air release valve  
CCA cam coupler assembly  
CEC controller enclosure cabinet  
CHDPE corrugated high density polyethylene  
CL chain link  
CNC control and neutral conductors  
Conc concrete  
Cond conduit  
CSP corrugated steel pipe  
CST center strip  
CV check valve

**D**

Dia diameter  
DIP ductile iron pipe  
DN diameter nominal

**E**

EA each  
ELEC electric/electrical  
Elev elevation  
ENCL enclosure  
EP edge of pavement  
ES edge of shoulder  
EST end strip  
ESTB establishment  
ETW edge of traveled way

**F**

F full circle  
F/P full/part circle  
FAU filter assembly unit  
FCV flow control valve  
FERT fertilizer  
FG finished grade  
FIPT female iron pipe thread  
FIS fertilizer injector system  
FL flow line  
FM flow monitor  
FS flow sensor  
FV flush valve

**G**

Galv galvanized  
GARV garden valve  
GSP galvanized steel pipe  
GV gate valve

**H**

H half circle, height, hour  
HB hose bib  
HDPE high density polyethylene  
HP horse power/hinge point  
HPL high pressure line  
Hwy highway

**I**

IC irrigation controller  
ICC irrigation controller(s) in controller enclosure cabinet  
ID inside diameter  
IFS irrigation filtration system  
IPS iron pipe size  
IPT iron pipe thread  
Irr irrigation

**L**

L/h liters per hour  
L/min liters per minute  
L/s liters per second

**K**

KP kilometer post

**M**

Max maximum  
MBGR metal beam guard railing  
MCV manual control valve  
MIC master irrigation controller  
Min minimum  
MIPT male iron pipe thread  
Misc miscellaneous  
Mtl material  
MVP maintenance vehicle pullout

**N**

NL nozzle line  
No. number  
NPT national pipe thread

**O**

O/C on center  
OD outside diameter

**P**

P part circle  
PB pull box  
PCC portland cement concrete  
PE polyethylene  
PL plastic  
PLT plant/planting  
PLT ESTB plant establishment  
PR pressure rated  
PRLV pressure relief valve  
PRV pressure reducing valve  
PVC polyvinyl chloride  
Pvmt pavement

**Q**

Q quarter circle  
QCV quick coupling valve

**R**

R radius  
RCP reinforced concrete pipe  
RCV remote control valve  
RCVM remote control valve (master)  
RCW reclaimed water  
REQ required  
R/W right of way

**S**

S slip  
SCH schedule  
SF state-furnished  
Shld shoulder  
SI International system of units  
SST side strip  
STA station  
Std standard  
SW sidewalk/sound wall

**T**

T third circle/ thread  
TAB tablet(s)  
TLS truck loading standpipe  
TQ three quarter circle  
TRVD traveled  
TT two third circle  
Typ typical

**U**

UG underground

**V**

VAU valve assembly unit

**W**

W/ with  
WM water meter  
WS wye strainer  
WSP welded steel pipe  
WWM welded wire mesh

#### METRIC UNITS (SI)

SYMBOL	UNIT
mm	millimeter
m	meter
m <sup>2</sup>	square meter
m <sup>3</sup>	cubic meter
g	gram
kg	kilogram
s	second
KPa	kilopascal
L	liter
ha	hectare

## PLANTING AND IRRIGATION ABBREVIATIONS

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
NO SCALE  
ALL DIMENSIONS ARE IN  
MILLIMETERS UNLESS OTHERWISE SHOWN